

Things to Know, Understand and Do
For Chapters 5/6: Chemical Bonding (CP Living)

By the end of Chapters 5 and 6, you should

Know how to...
Define the terms chemical bond, covalent bond, ionic bond, metallic bond, electrolyte, non-electrolyte, molecule, formula unit, octet rule, lone pair, unshared pair, isomer.
Predict if compound is ionic, covalent, or metallic only using a periodic table
Explain the properties of ionic, covalent, and metallic compounds
Draw Lewis Structures for small molecules and ions using the HONC 1234 rule
Draw structures with multiple bonds forming.
Explain how ionic bonds form
Explain a crystal lattice, and how it gives certain properties to ionic compounds.
understand...
Why and how chemical bonds form.
The difference(s) between ionic, covalent, and metallic bonds.
The basic trends in how many bonds elements form, along with how many unshared electron pairs they have (HONC 1234 Rule)
How the different properties of compounds (melting point, electrolytic props, etc.) are resulting from the types of bonds they contain.

Chapter 6 Homework Assignment

p 128 Q 1, 5, 6	p 159 Q 4
p 133 Q 3, 7	p 164 Q 5
p 155 Q 2, 5	p 168 Q 3, 4, 5, 8

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